Exhibit 1

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Bryan Pfaffenberger

THE NAME YOU TRUST

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Dedication

For Suzanne, always

Webster's New World™ Dictionary of Computer Terms, 8th Edition

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Foster City, CA 94404

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A Webster's New World™ Book

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Library of Congress Catalog Number: 98-68180

ISBN: 0-02-863777-1

Manufactured in the United States of America

1 2 3 4 5 6 7 00 1 02 03 04

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hare

A file server utility for AppleTalk networks. ransforms any Macintosh on the network into ile server; the server's hard disk icon appears on rk user's desktop.

A small- to medium-sized computer program that pecific function, such as emulating a calculator. 2. In program embedded in a Web document that, when d, is executed by the browser. Both of the leading Netscape Communicator and Microsoft Internet can execute Java applets. See *Java applet* and *Java*

k A local area network (LAN) standard developed by mputer. AppleTalk can link as many as 32 Macintosh s, IBM PC–compatible computers, and peripherals ser printers. Every Macintosh computer has an k port; the only hardware required for an AppleTalk is a set of LocalTalk connectors and ordinary telephon cables (called twisted-pair cable). AppleTalk networks le and inexpensive but quite slow; they are capable of ting only up to 230 Kbps. EtherTalk. in contrast, is of speeds of up to 10 million bps. See *EtherTalk.*

ation A program that enables you to do something with the computer, such as writing or accounting posed to utilities, programs that help you maintain mputer).

cation Configuration Access Protocol (ACAP) sed Internet standard that transfers crucial user confi ettings (including address books, bookmarks, and opt es) to an Internet-accessible file. Because these setting d on the network instead of the user's computer, the sible no matter which computer is being used. ACA dly benefit anyone who accesses the Internet from m computer.

dication control menu See *control menu.*

plication development system A coordinated s m development tools, typically including a full-scre rogramming language with a compiler, linker, and

and an extensive library of ready-to-use program modules. The use of an application development system lets experienced users develop a standalone application more easily than writing a program using a language such as C++ or COBOL.

application heap In a Macintosh, the base memory, the area of memory set aside for user programs.

application icon In Microsoft Windows 95/98, an onscreen graphic representation of a minimized program. The icon appears on the taskbar to remind you that the application is still present in memory. Double-click the application icon to switch that program.

ication layer In the Open System Interconnection (OSI) ce model of computer network architecture, the first or of seven layers, in which the data is presented to the this layer, protocols are needed to ensure that products different manufacturers can work together. For exam- e-mail program should use the same protocols for receiving e-mail. When the data is ready to be sent rk, it is passed down the protocol stack to the next entation layer.

el encryption In a computer network, the of encryption by individual applications rather ing system or network level. Web browsers encryption at this level.

m See *application.*

interface (API) 1. A set of standards h programs can call specific operating es. 2. In Web servers, the standards or hyperlink to originate a call to a pro- server See *CGI, ISAPI,* and

Microsoft Windows, a shortcut an application to the fore- re also available in applica- ols Desktop to launch and

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operand The argument that is appended to an operator, su
as a spreadsheet program's built-in function. For example, in th
Excel expression AVERAGE(D10:D24), the cell range D10 to
D24 is the operand of the AVERAGE function.

operating environment The total context in which appli
tions function, including the operating system (OS) and the
shell.

operating system (OS) A master control program that
manages the computer's internal functions, such as acceptin
keyboard input, and that provides a means to control the co
puter's operations and file system.

operating voltage The electrical voltage at which a mi
processor operates. Most microprocessors have operating v
of 5 volts—a mostly arbitrary specification decided upon
the transistor was invented—but some chips run at 3.3 v
save electricity (a real concern in portable computers) an
reduce heat output.

operator In programming, a code name or symbol tha
used to describe a command or function, such as multip
or dividing.

optical character recognition See *OCR*.

optical disk A large-capacity data storage medium
puters on which information is stored at extremely hi
in the form of tiny pits. The presence or absence of p
by a tightly focused laser beam. CD-ROMs and CD
drives offer an increasingly economical medium for
data and programs. Write-once, read-many (WORM
enable organizations to create their own huge, in-ho
Erasable optical disk drives offer more storage than
and the CDs are removable. However, they are still
sive and much slower than hard disks. See *interactiv*

optical fiber See *fiber optics*.

optical mouse A mouse that does not require
a mechanical mouse does, but that must be used o
mouse pad. An optical mouse shines a beam of li
in the mouse pad, which conveys the mouse's m
computer.

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